



Virena™

Sofia Surveillance Mode
Installation Instructions
for Virena WR21 Router



If this is the first time setting up Sofia, please review the Sofia User Manual to enable the features on your new Sofia.

Virena Package Contents

The following system components are supplied with the router.

- Virena WR21 Router
- Cellular Antenna(s)
- Ethernet Cable
- Power Supply Adapters [For International]
- Power Supply
- Installation Instructions



**Only authorized users approved by the Healthcare Provider's Organizational Administrator would have access to registering on MyVirena.com.*

Note: If any item is missing or damaged, please contact Quidel Technical Support at 800.874.1517 (in the U.S.) 858.552.1100 (outside the U.S.) or e-mail technicalsupport@quidel.com.

Sofia and Virena Surveillance Installation Overview

There are a few simple steps required in order to set up your Virena WR21 Router and Sofia. Let's begin with the Virena WR21 Router:

Virena WR21 Router Installation and Connection

1. **Connect the Cellular (WWAN) Antenna(s):** Connect the cellular antenna to the "WWAN PRIMARY" and "WWAN Secondary" (Figure 1) connector on the router. The dual antennas provide improved signal strength resulting in better performance.
2. **Connect the Power Supply:** Connect the barrel plug end of the power supply to the power connector on the router, then plug the other end into a wall outlet (Figure 2).

Figure 1

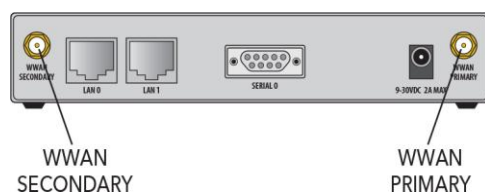
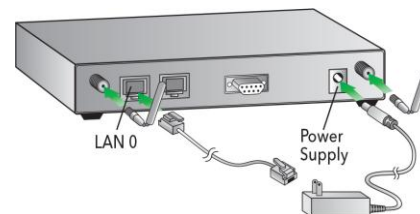


Figure 2



Note: The barrel plug end of the power supply has a twist lock connector which can be secured by rotating it 90 degrees once installed into the Virena WR21 Router.

3. **Connectivity Verification:** After powering on the Virena WR21 Router wait five (5) minutes before confirming the following lights are illuminated for connection purposes (Figure 3).

- POWER – solid green light
- SERVICE – solid green light
- WWAN – this light should flash three (3) times, pause and repeat
- SIGNAL – for the initial connection, verify a minimum of two (2) bars illuminated

Figure 3



Note: The connection provisioning time may take up to 30 minutes. If there is no Verizon Wireless connection or if LAN connection is preferred, please contact Quidel Technical Support at 800.874.1517 (in the U.S.), 858.552.1100 (outside the U.S.) or e-mail technicalsupport@quidel.com.

Sofia Installation and Connection

There are five (5) steps to establishing the connection between the Sofia and Virena WR21 Router.

1. Sofia and Virena WR21 Router Connection
2. Set Network Configuration on Sofia
3. Surveillance Mode Set Up
4. Virena WR21 Router Connection Verification
5. Operator Number Set Up (Optional)
6. How to perform a Test in Surveillance Mode

Sofia and Virena WR21 Router Connection

1. Power OFF Sofia.
2. **Connect the Ethernet Cable:** Connect one end of the Ethernet cable to the “LAN 0” port of the router and the other end to a LAN port on the back panel of Sofia (Figure 2).
3. Power ON Sofia.

Set Network Configuration on Sofia

1. Go to Main Menu ► Supervisor Menu (log in as Supervisor) ► Settings ► Network Settings ► **Set Network Configuration.**
2. Scroll to “**Set IP Address:**” and ensure **Manual** is checked, see Figure 4. Scroll to “**Network Address**” and enter IP network address to 192.168.0.5. Verify that all configurations on your device including: Subnet Mask, Gateway and Port Number match what is shown in Figure 4. If it does not match, please enter the correct numbers. Select OK.
3. Screen will display "Please wait." Once this message disappears you will be back on the General Analyzer Settings menu. Select the "Back" button twice to get back to the Supervisor Menu. Go to Supervisor Menu ► Statistics ► **View Network Settings** to ensure that you have a valid IP address.

Note: The IP address will automatically be entered if Sofia is already connected to the Virena WR21 Router.

Surveillance Mode Set Up

1. Go to Main Menu ► Supervisor Menu ► Settings ► Network Settings ► **Surveillance Settings.**

Note: If Sofia does not show **Surveillance Settings** as an option, Sofia will require an upgrade to firmware 2.0.0 or above. For further assistance, please contact Quidel Technical Support at 800.874.1517 (in the U.S.), 858.552.1100 (outside the U.S.) or e-mail technicalsupport@quidel.com.

2. In “Set SURV Parameters” screen (Figure 5) and select the following:

Age Required: ✓ Yes

Transmit Patient ID: ✓ Off

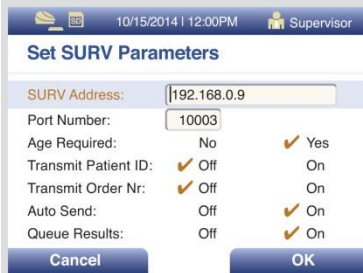
Transmit Order Nr.: ✓ Off

Auto Send: ✓ On

Queue Results: ✓ On

3. When completed, press “OK” ► Back ► Main Menu.

Figure 5



Virena WR21 Router Connection Verification

1. Go to Main Menu ► Review Data ► Send Results ► Send Results to SURV Receiver ► **Test SURV Connection.**

2. If connection is established, screen displays “**The Analyzer can be connected to SURV.**”

3. Return to the Main Menu (Press “OK” ► Back ► Back); Sofia is now ready to be run in the **Surveillance Mode.**

4. If connection is not established, screen displays “**The Analyzer cannot be connected to SURV.**”

5. Return to the Main Menu (Press “OK” ► Back ► Back). Review the following steps to confirm all settings and connections are correct:

- I. Sofia and Virena WR21 Router Connection
- II. Set Network Configuration on Sofia

6. Run a Calibration Cassette to send data to the cloud. (For instructions on running a calibration, refer to the Sofia User Manual.)

Note: If unsuccessful in configuring router or network connections, contact Quidel Technical Support at 800.874.1517 (in the U.S.), 858.552.1100 (outside the U.S.) or e-mail technicalsupport@quidel.com.

Operator Number Set Up (Optional)

This new entry with Sofia Firmware Version 2.0 allows an account the option of entering an Operator number that is transmitted to the cloud. The Operator number is an optional field used for tracking operator performance on MyVirena.com. The Operator number should be different than the User ID (log-in pin). The User ID and User Name are not transmissible fields to the cloud.

Setting Up the Ability to Transmit Operator Number

When Operator # is set to “Required”, a new Operator # must be entered when adding new users or when editing current users.

1. Go to Main Menu ► Supervisor Menu ► Manage Users

- In User Management Settings, set Operator # to *Required* by using the right arrow key and press “OK.”

Add or Edit Users:

- Select the Options key in the Manage Users screen to view the pop-up menu. Use the Up/Down arrows to select **Add User** or **Edit User**.
- Use the numeric keypad or barcode scanner to enter the **User ID**. **User ID** must be numeric and at least 4 digits.
- Then use the Up/Down arrows to select **User Type** and Left/Right arrows to toggle between *Operator* and *Supervisor*.
- Use the Up/Down arrows to select **Operator #**, then use the numeric keypad to enter the **Operator #** (Figure 6). The **Operator #** must be numeric and have a limit of 12 characters. (Operators may use their User ID with an extra number at the end for Operator Number).
- Press the **Save & Next** button when all fields are complete.
- Using the Left/Right/Up/Down arrows, select a letter at a time and press **OK** to construct the **User Name**. (Please see Sofia User Manual for details on how to set up users.)

Figure 6



How to Perform a Test in Surveillance Mode

- Go to Main Menu ► **Run Test**.
- Enter (User ID, Patient ID, and Order #) if required, then press “**Start Test**.”
- Patient Demographics** screen is displayed (Figure 7).
- Enter numeric value for “**Age**” (select appropriate units of Years, Months, or Weeks) by using the right arrow key.
- Press the down arrow and select “**Patient Status**” (select In-patient, Out-patient, or proficiency) by using the right arrow key.
- Then press “**Start Test**.”

Figure 7



Note: Study Code A-D allows for additional demographics data not currently defined in Sofia with a limit of 2 numeric characters.

Note: For additional information regarding Virena WR21 Router safety, certifications, and product disposal, refer to: quidel.com/virena.